

d 17⁵¹ The method of claim 41, wherein the reporter or the quencher comprises a ~~rhodamine~~ ^{fluorescein} dye.

18⁵⁸ The method of claim 41, wherein the reporter or quencher is selected from the group consisting of a xanthene dye and a naphthylamine dye.

19⁵⁹ The method of claim 41, wherein the oligonucleotide probe is not capable of extension by the nucleic acid polymerase.

20⁶⁰ The method of claim 59, wherein the polymerase is a thermostable nucleic acid polymerase.

C1 cut 21⁶¹ The method of claim 59, wherein the reporter is a fluorescein dye and the quencher is a rhodamine dye.

22⁶² The method of claim 61, wherein the fluorescent reporter is attached to the 5' end of the probe.

23⁶³ The method of claim 62, wherein the probe is 15 to 60 nucleotides in length.

24⁶⁴ The method of claim 62, wherein the probe is 18 to 30 nucleotides in length.

25⁶⁵ The method of claim 61, wherein the fluorescent reporter is attached to the 3' end of the probe.

26⁶⁶ The method of claim 65, wherein the probe is 15 to 60 nucleotides in length.

27⁶⁷ The method of claim 65, wherein the probe is 18 to 30 nucleotides in length.

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28 68. The method of claim ~~59~~, wherein the fluorescent reporter is attached to the 5' end of the probe.

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29 69. The method of claim ~~68~~, wherein the probe is 15 to 60 nucleotides in length.

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30 70. The method of claim ~~68~~, wherein the probe is 18 to 30 nucleotides in length.

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31 71. The method of claim ~~59~~, wherein the fluorescent reporter is attached to the 3' end of the probe.

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32 72. The method of claim ~~71~~, wherein the probe is 15 to 60 nucleotides in length.

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33 73. The method of claim ~~71~~, wherein the probe is 18 to 30 nucleotides in length.

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34 74. The method of claim ~~59~~, wherein the fluorescent reporter or the quencher comprises a rhodamine dye.

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35 75. The method of claim ~~59~~, wherein the fluorescent reporter or the quencher comprises a fluorescein dye.

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36 76. The method of claim ~~59~~, wherein the reporter or quencher is selected from the group consisting of a xanthene dye and a naphthylamine dye.--

REMARKS

Reconsideration of the application is respectfully requested. By the present amendment, claims 56-76 have been added. Accordingly, claims 41-76 are pending.